

Title (en)
Surgical instrument comprising flexible shaft

Title (de)
Biegsame Welle aufweisendes chirurgisches Instrument

Title (fr)
Instrument chirurgical comprenant un arbre flexible

Publication
EP 0986989 B1 20020123 (DE)

Application
EP 98810930 A 19980917

Priority
EP 98810930 A 19980917

Abstract (en)
[origin: EP0986989A1] The flexible shaft structure for a surgical instrument has an inner tube (3) with a flexible zone (31) between the drive and the cutting tool (4) with an opening (22) to allow the cutter to reach the tissue material. The inner tube (3) has a slit in the wall at the flexible zone (31), in a spiral around the longitudinal axis and with a serpentine path along the spiral line.

IPC 1-7
A61B 17/32; **F16C 1/02**

IPC 8 full level
A61B 17/32 (2006.01); **F16C 1/02** (2006.01); **A61B 17/28** (2006.01)

CPC (source: EP)
A61B 17/32002 (2013.01); **F16C 1/02** (2013.01); **A61B 2017/2905** (2013.01); **A61B 2017/320032** (2013.01); **F16C 2316/10** (2013.01)

Cited by
DE102009024244A1; EP2080918A1; DE102009042491A1; DE102006013979A1; EP1462063A1; EP1664565A4; US8672921B2; US8357140B2; DE202009007979U1; EP2255734A1; EP2351594A3; WO03022162A1; US8353898B2; US9468359B2; DE202009012796U1; EP1834600A1; US8382742B2; US8721806B2

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